

NEC MultiSync® MD210C3/MD211C3

21.3" high-bright 3 megapixel color LCDs ideal for color and grayscale diagnostic imaging applications



Designed exclusively for the demanding needs of medical imaging and PACS, the NEC MultiSync MD210C3 and MD211C3, a 21.3" 3-Megapixel (MP) color display, features the flexibility of a color display with image performance rivaling that of grayscale displays.

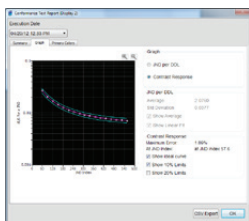
- NEC's 3MP (1536 x 2048) LCD technology offers high brightness without compromising contrast or viewing angles, making the image quality outstanding for color or grayscale images
- Each NEC MultiSync MD Series monitor comes calibrated out of the box to the DICOM grayscale display function for luminance
- ColorComp™ digital uniformity correction reduces screen uniformity errors and compensates for differences in color/grayscale and luminance across the entire screen
- Integrated tri-stimulus (three-color) sensor receives more light information than standard (brightness only) sensors and, therefore, is extremely accurate and stable
- 14-bit RGB lookup tables (LUTs) for gamma provide for more finely detailed, high-definition rendering of color images and crisper display of even the most delicate shadings and color differences
- LED backlight reduces startup time and lowers total power consumption while the human sensor saves power by turning off backlight when the display is not in use

NEC MULTISYNC MD SERIES The clear choice in diagnostic displays.

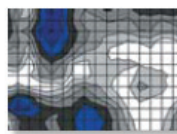
Specifications

MODEL	MD210C3	MD211C3	
DISPLAY	Viewable Image Size	21.3"	
	Color Type	Color	
	MegaPixels	3MP	
	Native Resolution	2048 x 1536	
	Pixel Pitch	0.21mm	
	Pixels Per Inch	120 @ native resolution	
	Brightness (typical)	400 cd/m ² calibrated / 740 cd/m ² max.	400 cd/m ² calibrated / 800 cd/m ² max.
	Contrast Ratio (typical)	1400:1	
	Viewing Angle	176° Vert., 176° Hor. (88U/88D/88L/88R) @ CR>10	
	Response Time	40ms	
	Lookup Table	14-bit	
Displayable Colors	16.8 million colors out of a 4.398 trillion color palette (8-bit)	1.074 billion colors out of a 4.398 trillion color palette (10-bit) / 1024 shades of gray out of 16369 levels of grayscale	
Sensors	Tri-stimulus front		
Synchronization Range	Horizontal (Analog/Digital)	31.5-94.8/126.3 kHz	
	Vertical	30, 50-85 Hz	
CONNECTIVITY	Input Connectors	DVI-D, DisplayPort	
POWER CONSUMPTION	On (typical)	85W	
	Power Savings Mode (typical)	<2W	
PHYSICAL SPECIFICATIONS	Net Dimensions (with stand)	14.7 x 19.3-23.4 x 9.3 in. / 373.4 x 490.6-593.4 x 235.5mm	
	Net Dimensions (without stand)	18.6 x 14.7 x 4.1 in. / 473 x 373.4 x 104.1mm	
	Net Weight (with stand)	26 lbs. / 11.8 kg	
	Net Weight (without stand)	17 lbs. / 7.8 kg	
	VESA Hole Configuration	100 x 100mm	
ENVIRONMENTAL CONDITIONS	Operating Temperature	41-95°F / 5-35°C	
	Operating Humidity	20 - 80%	
	Operating Altitude	10,000 ft. / 3048m	
	Storage Temperature	14-140°F / -10-60°C	
	Storage Humidity	10 - 85%	
Storage Altitude	40,000 ft. / 12,192m		
LIMITED WARRANTY	5 years, including Advanced Overnight Exchange*		
ADDITIONAL FEATURES	DICOM GSDF calibrated; ColorComp image uniformity correction; GammaCompMD QA software; Analog/digital CableComp; Pivot; Tilt; Swivel; Height-adjustable stand		
SHIPS WITH	Power cord; DVI cable (Dual Link for several models); Setup sheet; CD-ROM (GammaCompMD QA software)		
OPTIONAL ACCESSORIES	Nvidia Quadro 2000D dual PCIe video card (MDN-Q2000D); AMD V5800 dual DVI PCIe video card (MDA-V5800D); Matrox Xenia Pro triple-head video card (MDM-XENPRO); Color calibration sensor (MDSVSENSOR2)		

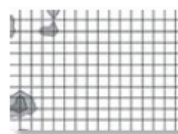
* Backlight replacement limited to 45,000 hours of usage at 400 cd/m² or less (MD210C3) and 54,000 hours of usage at 400 cd/m² or less (MD211C3) at the native white point.



GammaCompMD™ QA software, included with each display, ensures consistent image quality. The software provides a simple interface for conformance to the DICOM standard, while providing an easy-to-use QA environment for medical imaging. Optionally, GammaCompMD QA Server provides computer networks with centralized control and management of multiple display systems.



Without ColorComp



With ColorComp

Achieve complete color and brightness uniformity. By nature, LCD panels contain uniformity errors, which are visible as slightly brighter or darker areas on the screen. To combat this inherent trait, each MD Series display is individually characterized during production and digital uniformity correction is applied. This technology, called ColorComp, reduces the non-uniformity to virtually unnoticeable levels and applies a digital correction to each pixel on the screen to compensate for differences in color and luminance.



For consistent image quality the built-in front sensor constantly monitors and maintains brightness for optimal DICOM GSDF calibration and for non-assisted conformance, calibration and reporting functions, the sensor is capable of measuring monitor brightness, white-point and contrast response.

